

TE-1000 Hi-Vol PAH Air Sample Data Form

Sample Information

Full Site Name: Xact - NIPSCO

Site Abbreviation Xac

Deployment No. 23

Field Deployment Technician Name Cde Rensburg

Setup Date/Time 8/13/21 8:35

Sample Run Date 8-16-21

Magnehelic Gauge Setpoint 46.0

$$\text{Magnehelic Gauge Setpoint} = \left(\frac{P_{amb}}{T_{amb}} * \frac{T_{std}}{P_{std}} \right) * \left[(m_{hivol} * 0.225 \frac{m^3}{min}) + b_{hivol} \right] = 46.0$$

P_{amb} = Expected atmospheric pressure, mmHg

T_{amb} = Expected atmospheric temperature, K

m_{hivol} = Slope from Hi-Vol Calibration Worksheet

T_{std} = Standard Temperature, 298 K

P_{std} = Standard Pressure, 760 mmHg

b_{hivol} = Intercept from Hi-Vol Calibration Worksheet

Field Recovery Technician Name RAWDON DE FLORIANE

Recovery Date/Time 8/17/21 12:25 PM

	Elapsed Time
Initial	01275.47
Final	01299.43
Total Collection Time (hours)	23:96

	Magnehelic Gauge Reading
Initial	46.0
Final	42.5
Average Reading	44.25 <small>ROE 8/17/21 44.25</small>

Sample Status: VALID VOID (circle one)

VOID Reason: _____

Site Observations

Run Day Temperatures: High 81°F Low 66°F Source: TIMEANDDATE.COM

Run Day Precipitation: 0

Run Day Wind/Wind Direction: 5.593 MPa / ESE

Run Day Sky Cover: OVERCAST

Unusual Events? (fires, major storms, construction, etc.): NONE

Field Deployment and Recovery

Maintenance

Check all that apply.

Weekly Checks:

- ☒ Power cords/plugs ok?
- ☒ Gaskets ok?
- ☒ Shelter ok?
- ☒ Tubing ok?
- ☒ Timer ok?
- ☒ Debris removed?

Maintenance Notes:

Monthly Checks: (after 5th sample run of the month)

- ☐ Sampling head cleaned with Kim wipes?
- ☐ Pictures of site logbook taken?
- ☐ Completed TE-1000 One-Point Flow Check Form?
- ☐ One-point flow verification within $\pm 10\%$ of $Q_{\text{Magnehelic}} (0.225 \frac{m^3}{min})$?